

ンデ拉丁語ノ記相文ヲ添ヘテ新種發表ナルコトヲ敢テスル人ガアルガ其ハ大キナ心得違ヒデアル。而シテ其新種發表ノ態ヲナス出版物ヲ學者ニハ祕シ單ニ素人タル知友間ニ配布シテ得意ガルモノアルニ至ツテハ沙汰ノ限リト云フベク學問ノ神聖ヲ冒瀆スル學匪トシテ擯斥排撃ヲ要スル。生ヲ神國日本ニ享クルモノハ常ニ清淨ナル心ヲ持ツベキハ勿論デアルガ特ニ學問ハ凡テノ人文ノ根源ヲナシ其正常ナル向上發達ハ人生ヲ幸福ナラシムル原動力デアルカラ飽ク迄學問ノ森嚴ヲ保ツ様心懸ケ之ヲ弄ビ或ハ利己ノ爲メ之ヲ利用スルガ如キコトナキ様吳々モ心スベキデアル。

日 本 植 物 斷 報 (其三)

佐 竹 義 輔

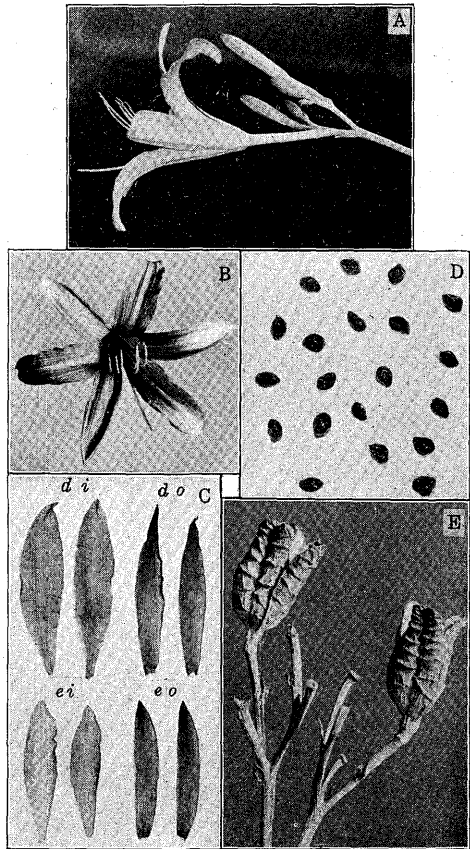
Y. SATAKE: Trivial Notes on Japanese Plants (III)

7) 再びむさしのわすれぐさニ就イテ

むさしのわすれぐさ (*Hemerocallis exilis* SATAKE) ハ、東亞植物圖説、第 1 卷第 2 輯、28 頁 13 圖ニ筆者ガ記載圖解シタモノデアルガ、ソノ材料ハ乾燥標品デアリ且子房ガ未熟デ無卵子デアツタ爲ニ、ベにくわんざう (*H. longituba* MIQUEL) トきすげ (*H. Thunbergii* DON) トノ間ニ出來タ雜種デアラウト云フ筆者ノ意見デアツタ。昨年ト今年ノ夏、コノ植物ヲソノ type locality デ觀察シタ結果、花ノ性質ガ他種ト異ナリ、又子房ガヨク結實シ立派ナ種子ヲ生ズル事ガ判明シタノデ、雜種ト考ヘルヨリハムシロ獨立種ト考フル方が妥當ト考ヘルニ至ツタノデ、茲ニ訂正旁々二三ノ判明シタ事實ヲ列記シテ、原記載ノ補遺トスル。花粉母細胞ニ就イテ、保井博士ニ検査ヲお願いシタ所、減數分裂ハ正常デ雜種デハナカラウトノ事デアツタ。又種子ハ 70% 位ノ發芽力ガアツタ。本種類ノ生ジテキル近所ヲカナリ廣範圍ニ互ツテ検査シタガ、きすげハーツモ無ク、わすれぐさトベにくわんざうトガアルバカリデアル。本種ハ多分コノ中ノドチラカラカ、突然變異デ出來タモノデアラウ。訂正事項ハ次ノ通り。

(1) 雜木林ノ下ニ生ジ、ベにくわんざうヤわすれぐさヨリモ乾燥シタ所ヲ好ムヤウデアル。7 月中旬カラ 8 月中旬迄 1 花ヅツ次々ニ開花スルガ、前 2 種ヨ

リハ花期ガ晚イ。(2) 葉ハ幅 6-7 mm 稀ニ 11 mm ニ達スルモノガアル。(3) 花莖ハ高サ 30-60 cm ニ達シ、3-6 花ヲツケル。(4) 花冠ハ徑 9 cm 許、筒部ハ長サ 3-3.3 cm 幅 3 mm 花被片ハ殆ト同長、長サ 6.5-7 cm、外片ハ線狀長橢圓形、銳頭、先端ハ小ボート形、最大幅 10-13 mm、基部ノ幅 5-6 mm、13-15 脈、邊緣ハ全縁デ波狀ヲ呈シナイ、中央部ハ橙色デアルガ縁部ニ至ルニ從ヒ赤橙色ニ變ル、斜上シテ上端カラ 1/3 位ノ所デ開平スルガ決シテ反捲シナイ、故ニソノ先端ハ上面カラヨク見エル。内片ハ長橢圓狀披針形、稍々鈍頭、微凸端、最大幅 15-17 mm、基部ノ幅 3-4 mm、11-13 脈アリ、邊緣ハ稍波狀ヲ呈スル、中央部ハ橙色ヲナスガ縁部ニ至ルニ從ヒ赤味ヲ増ス、基部ハ斜上、上部カラ 1/3 位ノ所デ開平シ、先端ハ少シク反捲スル。(5) 花絲ハ赤橙色、無毛、葯ハ黒紫色、線狀長橢圓形、長サ 7 mm 幅 2 mm、花粉ハ黄橙色、(6) *o* ハ外片、*e* ハ内片ナリ(×1/3.7) D 種子(×3) 花ハ次々ニ咲クガ、概ネ中途萎縮 E 朔(×3)



第 1 圖 むさしのわすれぐさ (*Hemerocallis exilis* Satake) A 花序ノ側面(×1/3.7) B 花冠上面(×1/3) C 花被片(*e* ハ *H. disticha* ナリ), *o* ハ外片、*e* ハ内片ナリ(×1/3.7) D 種子(×3) 花ハ次々ニ咲クガ、概ネ中途萎縮 E 朔(×3)

シテ脱落シ、最後ノ花ガ成熟シテ結實シ、種子ヲ作ル。成熟シタ蒴果ハ3稜狀橢圓形又ハ倒卵狀橢圓形、鈍頭、基部ハ稍楔狀ヲナス、長サ 20-25 mm 幅 10-12 mm 淡緑褐色ヲ帶ビ、乾ケバ不規則ノ横線ガ隆起スル。(7) 1 蒴果ニ凡ソ 5-11 種子ガ成熟スル。種子ハ黒色、強イ光澤アリ、不規則ナ倒卵形又ハ橢圓形ヲナシ、長サ 5-6 mm 幅 3-4 mm アル。種子ハ約 70% ノ發芽力ヲ有スル。

Hemerocallis exilis was first described and figured by the writer in NAKAI's

Iconographia Plantarum Asiæ Orientalis, vol. I. no. 2. p. 27. Tab. XIII. (1936), as a new hybrid between *Hemerocallis longituba* MIQUEL and *H. Thunbergii* BAKER, being chiefly based on the dry specimen. In the summer of last and current year (1937), from July to September, the writer observed the plant in the type locality and found that the ovaries produce the seeds. He observed also the flowers have special notable characters. The following notes make the supplement to the original description.

1. The plant grows on rather dry ground under open woods while *Hemerocallis disticha* and *H. longituba* grow in the open field. The flowers are seen from the middle of July to the middle of August, or its flower season is a little later than in the latter two. 2. Leaves are usually 6-7 mm rarely 11 mm width. 3. Scapes are 32-62 cm high, and an inflorescence has mostly 3-6 flowers. 4. Corolla is about 9 cm in diameter; tube is 3-3.3 cm long, 3 mm cross; perianths are nearly equal, about 6.5-7 cm in length; the outer perianth are linear-oblong, acute and small boat-shaped at the apex, 5-6 mm width at the base, 10-13 mm in the broadest portion, 13-15-nerved, with entire margins, orange-coloured along the midrib and gradually changed to reddish orange towards the margin, ascendent and divergent about at one third part from the apex, but never reflexed so that the tip are visible from the front; the inner perianth are oblong-oblancheolate, somewhat obtuse but mucronate at the apex, 15-17 mm in the broadest portion, 3-4 mm at the base, 11-13-nerved, with somewhat undulate margins, broadly orange-coloured along the midrib and gradually redden towards the margin, divergent at about one third part from the apex and further reflexed a little. 5. Filaments are glabrous, reddish orange; anthers are linear-oblong, black-purple, about 7 mm long, 2 mm width, with yellow-orange pollens. 6. Usually the terminal flower of the branches in an inflorescence is hermaphrodite and produces the seeds, the others being male and sterile. Matured capsule is triangular-ellipsoidal or obovoid, obtuse at the apex, somewhat cuneate at the base, about 20-25 mm long, 10-12 mm cross, when dehiscens dilute brown coloured, and besets with transverse elevated irregular striæ. 7. A capsule has 5-11 seeds. Seeds are black, strongly nitidous, irregularly obovate or elliptical, about 5-6 mm long, 3-4 mm width. By the above mentioned characteristics, the writer comes to

the conclusion that this day-lily is a distinct species, being neither an hybrid between *H. longituba* and *H. disticha*, nor among any other species.

8) にわうやぶまをノ瘦果ノ記載ノ追加

昨冬、前川文夫氏栽培ノにわうやぶまをガ結實シタノヲ實見スルコトヲ得多少ノ新事實ヲ得タカラ茲ニソノ記載ヲ追記シ併セテ同氏ノ厚意ニ謝意ヲ表ス。

Additional description of the achenes of *Bæhmeria gigantea* SATAKE in Journ. Fac. Sci. Imp. Univ. Tokyo, Sect. III. Vol. IV. Pt. 6. 513, f. 31 (1936).

Spica feminea axillaris simplex, usque 6-12 cm longa, folio conspicue brevior. Glomeruli 5-6 mm in diam., plus minus interrupti, bracteis ovato-lanceolatis, acutis, usque 5 mm longis, uninervibus, extus pilosellis. Achænia oblique obovata vel elliptica, compressa, apice breviter vel longiuscule tubulosa, basi obtusiuscula, late complanato-marginata, usque 2 mm longa, 1-1.3 mm lata, rubescentia, ad apicem setulosa, stylis persistentibus ad 1-1.5 mm longis, seminibus ellipticis biconvexis ad 1 mm longis.



第2圖 けなしやぶでまり (1/5)
(*Viburnum amplissimum* SATAKE)

9) けなしやぶでまりニ就イテ

従来 *Viburnum tomentosum* THUNBERG var. *glabrum* KOIDZUMI ノ學名ヲ以テ知ラレテ來タけなしやぶでまりハ、ヨク觀察スルト、やぶでまりヨリモ低イ灌木デ幹ノ高サハ2米突以上ニハナラズ、1-2年生ノ枝ハ無毛、葉ハ大形デ、圓形又ハ廣倒卵形、基部ハ圓形又ハ鈍形又ハ楔形ヲナシ、大キイモノハ長サ10-13cm幅8-11cmニ達シ、質薄ク紙質ヲナシ（秋結實ノ頃ニハ厚クナリ稍革質トナル）、兩面ハ殆ンド無毛デ、唯下面ノ脈腋ニ星狀毛ヲ生ズルノミデアリ、側脈ハ12-15ヲ算ヘ、葉縁ニ

達シ、葉柄ハ始メカラ殆ンド無毛、稀ニ少數ノ星狀毛散在シ、枝ハ木部強韌デ手デ容易ニ折リ取ル事ガ出來ナク、手デ引キチギレバ皮ガ葉ト共ニ木質部カラ剥ギ取ラレル。又果實ハ紅熟シやぶでまりノ様ニ紅色カラ黑色ニナラス。以上ノ性質ハやぶでまりニハ見ラレヌノデ、けなしやぶでまりハ獨立種トシタガ適當ト信ズルニ至ツタノデ、茲ニ學名ヲ變更シ、記載ヲ附加スル事ニシタ。分布カラ見テモ、本種ハ本州中部信濃カラ裏日本ノ越中、越後ヲ經テ岩代、羽前、羽後ニ及ブ區域ヲ占メテキルノハ興味ヲ惹ク。學名トシテハ、變種名ヲ種ニ引上ゲルト外國產ノモノニ低觸スルノデ、葉ノ廣イ事カラ *V. amplissimum* SATAKE ヲ用ヒタイト思フ。

***Viburnum amplissimum* SATAKE, sp. nov.**

Syn. *Viburnum tomentosum* THUNBERG var. *glabrum* KOIDZUMI ex NAKAI, Tent. Syst. Caprifoliac. Japon. in Journ. Coll. Sci. Imp. Univ. Tokyo, XLII. Art. 2, 29 (1921), et Trees and Shrubs. I. rev. ed. 598 (1927); MAKINO et NEMOTO, Fl. Jap. 152 (1925) et ed. 2, 1150 (1931); NEMOTO, Suppl. Fl. Jap. 713 (1936).

Frutex, usque 1-2 m altus. Cortex fusco-einereus. Rami annotini et hornotini semper glabri. Medulla solida alba. Laminæ foliorum late obovatæ vel orbiculares, raro juvenile ellipticæ, usque 9-14 cm longæ, 7-12 cm latæ, basi rotundatæ vel obtusæ vel cuneatæ, sed nunquam cordatæ, apice rotundatæ mucronatæ, margine æqualiter deltoideo-serratæ vel crenato-serratæ, supra virides glabræ, subtus subglaucae sæpe glabræ sed in axillis venarum primum tantum stellato-pilosæ, venis lateralibus parallelis usque 11-16, in apice serrularum excurrentibus, supra valde impressis infra prominentibus, in textura tenuiores et papyraceæ (dum crassæ subcoriaceæ). Petioli 1.5-3.5 cm longi, glabri vel sparsissime stellato-pilosi. Inflorescentia in apice ramorum brevium hornotinorum terminalis, toto glabra vel sparsissime stellato-pilosa vel pulverulo-puberula, sed non tomentosa, umbellato-decomposita. Bracteæ et bracteolæ subulatæ, persistentes. Flores marginales steriles; corolla conspicue oblique 5-lobata, usque 3-4 cm lata, alba, lobis obovatis præsertim 1-2-lobis interdum minute depauperatis. Flores hermaphroditi centrales; calyx 5-dentatus, dentibus deltoideis glabris; corolla rotata, alba, usque 3-4 mm lata, 5-lobata, lobis ovatis apice obtusis; stamina 5, exserta, filamentis albis glabris, antheris flavis ellipticis. Stigma 3-sulcatum. Drupa

subcompresso-ellipsoidea, usque 6 mm longa, rubra. Putamen compresso-ellipsoideum, ventre 1-, dorso obscure 2-sulcatum.

Nom. Jap. *Kenasi-yabudemari* (KOIDZUMI).

Hab. Honsyû: Prov. Sinano, Mt. Togakusi (J. MATSUMURA, Jul. 1884). Prov. Etigo, Mt. Gotôzan (J. MATSUMURA, Aug. 1886); Simizutôge (J. MATSUMURA, Jul. 1886). Prov. Ettyû, Kurobe (M. HONDA, Oct. 1927). Prov. Iwasiro, Mt. Higasiazuma-san (G. KOIDZUMI). Prov. Uzen, Yonezawa (G. KOIDZUMI, Mai, 1916); Mt. Hagurosan (F. MAEKAWA et H. HARA, Jun. 1937). Prov. Ugo, Yuzawa (Y. SATAKE, Aug. 1927 et Jun. 1937).

Distr. Endemica.

10) ながばのごまき

ごまきニ似テキルガ、葉ガ細長ク、特ニ基部ガ著シク細クナリ、葉柄ニ毛多ク、核果ハヤ、大キク長サ 8-10 mm アルノデ區別サレル。山中湖畔デ筆者ノ採集シタモノデアル。ながばのごまきトシタ。

Viburnum Sieboldii MIQUEL var. **longifolium** SATAKE, var. nov.

Laminae foliorum oblongae vel oblongo-oblancoelatae, apiceacutae vel acuto-acuminatae, basi longe cuneato-angustatae, usque 8-13 cm longae, 3-5 cm latae, petiolis ad 1-2 cm longis, dense villosis. Drupa demum nigricans, oblonga, usque 8-10 mm longa.

Nom. Jap. *Nagaba-no-Gomaki* (nov.)

Hab. Honsyû: Prov. Kai, in oppido Hirano (Y. SATAKE, Aug. 1934).

Distr. Endemica.

11) *Juncus biglumis* LINNÆUS 千島ニ産ス

東京科學博物館所藏ノ腊葉標品ヲ調査中、たかねゐ (*Juncus triglumis* L.) トシテアルモノハ、實ハ *Juncus biglumis* LINNÆUS デアル事ガ判明シタ。たかねゐカラハ、蒴果ガ著シク凹頭デアル事、蒴片ハ淡褐色デアルガソノ縁部ハ紫黑色ノ線デ縁ドラレル事、花被片ハ薄膜質デ圓頭又ハ鈍頭、蒴ヨリ遙カニ短イ事等デ判然ト區別サレル。千島占守島ノ片岡灣デ小泉秀雄氏ガ採集サレタ (1932年8月) 珍品デカムチャツカ、シベリヤ、北歐、アラスカ等ノ極北地帯ニ分布スルモノデアル。我國ニハ無論初メテノ種類デアルカラ、和文ノ記載ヲ添ヘテ茲ニ報告スル。和名ハ分布地方カラトツテほくとゐ (北斗蘭) トシタ。最近大井次三郎氏カラノ來信ニヨツテ、同氏モ占守島天神山ニ於テ 1934年7

月ニ吉井氏ト共ニ採集サレテキル事ガ判明シタノデ追記シテ置ク。

ほとくろ *Juncus biglumis* LINNÆUS.

多年生、稍簇生、根莖ハ不明、根ハ褐色又ハ黒褐色、鬚狀ナリ。莖ハ高サ 4-14 cm 直立シ、徑 0.5 mm 内外、少數ノ縦肋アリ。葉ハ 2-4、莖ノ基部ニアリ、莖ヨリ遙カニ短ク、稍壓扁ノ圓筒狀ヲナシ、單管質、斜上、眞直又ハ稍彎曲シ、長サ 4-8 cm 幅 1-1.5 mm、上部ハ次第ニ細マリ遂ニ鋭尖頭ニ終ル。鞘部ハ短ク、葉耳ハ褐色卵形ナリ。花序ハ單一ノ頭花ニシテ頂生、多クハ 2 花ヨリ成ル。最下苞ハ苞狀ニシテ頭花ヨリモ長ク、或ハ同長ナリ。苞ハ卵形、鋭頭、膜質、黒褐色又ハ褐色、花ノ約半長ナリ。花ハ蒴共ニ長サ 4-5 mm 花被片ハ長橢圓形、鈍頭又ハ圓頭、黒褐色ニシテ薄質、内外片殆ンド同長ナリ。雄蕊ハ 6、花被片ト同長、花絲ハ絲狀ニシテ花被片ヨリ少シク短ク、葯ハ橢圓形ニシテ短小ナリ。成熟セル蒴ハ 3 稜狀圓筒形、著シク凹頭、花被片ヨリ超出シ、淡褐色ナレドモ蒴片ノ縁ハ黒褐色又ハ紫黒色ノ線條ヲ以テ彩ドラレ、3 隔室ナリ。種子ハ長橢圓形、凸頭、鋭底、鐵銹色ヲ呈シ、外種被ハヤ、上下ニ突出シテ全長 1 mm 許ニ達ス。

***Juncus biglumis* LINNÆUS**, Sp. Pl. ed. 1, 328 (1754); KUNTH, Enum. Pl. III. 358 (1841); BUCHENAU, Monogr. Juncac. 387 (1890) et Juncac. 223 (1906); SAMUELSSON in Hulten. Fl. Kamtschatk. I. 218 (1927); KRECHETOWICZ et GONTSCHEV in KOMAROV, Fl. URSS. III. 521 (1935).

Nom. Jap. *Hokuto-i* (nov.).

Hab. Kuriles: Isl. Simusyu (H. KOIDZUMI, Aug. 21. 1932, n. 370 45, in Herb. Tokyo Science Museum);—Mt. Tenjin-yama (J. Ohwi et R. Yoshii, n. 5603, Jul. 28, 1934).

Distr. Kamtschatk, Siberia, North Europe, Alaska, North America.

New to the Flora of Japan.

12) **ほそぼやぶまき (新種)**

たいわんとりあし (*Bæhmeria formosana* HAYATA) ニ近イガ、葉ハ細長ク、質薄ク、基部ガ楔狀ヲナシ、果穂ガ細イノデ區別サレル。九州黒髪山デ九大ノ初島住彦氏ガ採集サレタモノデアル。

***Bæhmeria stenostachya* SATAKE**, sp. nov. (Sect. *Sieboldiana*)

Suffrutex. Caulis usque 1-1.3 m altus, superne obtuse tetragonus, glaber, 4-sulcatus. Folia opposita, pro quaque pare magnitudine et longitudine sub-

inaequalia; laminæ lanceolatae, apice caudatæ, basi cuneatæ, usque 9–16 cm longæ, 3–6.5 cm latæ, in sicco tenue papyraceæ, trinerves, margine dentato-serratæ, supra virides sparsissime hirtellæ, subtus subglaucae glabratae; petioli 2–6 cm longi, glabri vel sparsissime adpresse puberuli. Spicæ femineæ axillares, simplices, 5–13 cm longæ, laxæ vel subconferte glomeratæ, 2–3 mm in diam. Achænia compressa late obovoidea, anguste complanato-marginata, apice brevissime tubulosa, basi acutiuscula, glabra vel sparsissime adpresse puberula.

Nom. Jap. *Hosoba-yabumao* (nov.)

Hab. Kyûsyû: Prov. Hizen, Mt. Kurokamiyama (S. HATUSIMA, Sept. 6, 1930—typus in Herb. Imp. Univ. Tokyo.).

Near to *Bæhmeria formosana* HAYATA from which is distinguished by the thinner and narrower lanceolate leaves with cuneate base, nearly glabrous stem and petioles, and slender spikes.



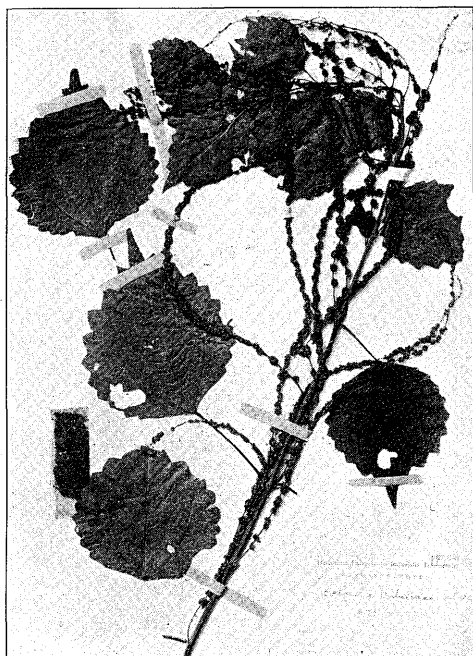
第 3 圖 ほそぼやぶまを (*Bæhmeria stenostachya* SATAKE) ノ基準品 (×1/5)

13) ささぐりやぶまを (新種)

やぶまを (*Bæhmeria longispica* STEUD.) = 近イガ、葉ハ廣卵形デ、邊緣ノ鋸齒ハ鈍三角形ヲナシ、基部ハ截形ヲナスモノデアル。前種同様初島氏ノ採集サレタモノデ、同氏ヲ記念シテ學名ヲ *B. Hatusimæ* トシタ。筑前篠栗町ノ産デアル。

***Bæhmeria Hatusimæ* SATAKE, sp. nov. (Sect. *Longispica*)**

Suffrutex. Caulis erectus, superne leviter sed inferne haud sulcatus, pubescens vel basin glabrescens. Folia opposita pro quaque parte longitudine et magnitudine æqualia; laminæ late ovatae, usque 9–13 cm longæ, 8–12 cm latæ, basi truncatæ, margine æqualiter serratæ, serris obtuse deltoideis, 5–8 mm



第4圖 ささぐりやぶまを (*Bæhmeria hatsumae* SATAKE) ノ基準品 ($\times 1/5$)

longis 10–18 mm latis apiculatis, apice breve caudatæ, subtus pubescentes, supra valde vel plus minus scabridæ, hispidulæ, cystolithis distincte punctiformibus, trinerves; petioli 3–6 cm longi, glabrati vel sparse ciliati. Spicæ femineæ axillares, sursum simplices deorsum interdum ramosæ, interrupte glomeratæ. Achænia obovato-oblongata, apice obtusa brevissime tubulosa densius hispidula, basi cuneata pubescentia, usque 1.5–2 mm longa 1 mm lata. Semina ellipsoidea usque 0.7 mm longa. Flores masculi ignoti.

Nom. Jap. *Sasaguri-yabumao*

(nov.)

Hab. Kyûsyû: Prov. Tikuzen, in urbe Sasaguri-mati (S. HATSUMA, Nov. 8, 1936–typus in Herb. Imp. Univ. Tokyo).

Destr. Endemica.

Diatoms collected by Mr. Yoshikazu Okada in Nippon

I. Mountain bog diatoms flora from Prov. Sinano.

By

B. V. Skvortzov

スクボルツォフ: 岡田喜一氏採集ノ日本産珪藻類

The Algæ which form the subject of this report were obtained from the materials forwarded to me through the kindness of SUGIURA, Director of